

Mr. Glen Cooke  
Custom Building Products  
3800 West State Road 28  
Frankfort, IN 46041

Re: **023-13794-00036**  
Notice-only change to  
MSOP 023-12191-00036

Dear Mr. Cooke:

Custom Building Products was issued a minor source operating permit on September 27, 2000 for a stationary dry grout and cement mixing operation and board plant manufacturing operation. A letter notifying the Office of Air Quality of the addition of three (3) natural gas furnaces to this permit was received on January 18, 2001. Pursuant to the provisions of 326 IAC 2-6.1-6 the permit is hereby revised as follows:

The modification consists of adding three (3) natural gas fired curing rack furnaces with a combined maximum capacity of 0.30 MMBtu/hr. The addition of these units will generate emissions at exempt levels under 326 IAC 2-1.1-3(d)(1). The new units will only supply additional heat to the curing racks from November to March and will not affect the design throughputs of the dry mixing and board manufacturing operations. There are no new applicable requirements.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Scott Fulton, at OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, press 0 and ask for Scott Fulton or extension (3-5691), or dial (317) 233-5691.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

Attachments

SDF

cc: File - Clinton County  
Clinton County Health Department  
Air Compliance Section Inspector - Eric Courtright  
Compliance Data Section - Karen Nowak  
Administrative and Development - Janet Mobley  
Technical Support and Modeling - Michele Boner

**NEW SOURCE CONSTRUCTION PERMIT  
and MINOR SOURCE OPERATING PERMIT  
OFFICE OF AIR QUALITY**

**Custom Building Products  
3800 West State Road 28  
Frankfort, Indiana 46041**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-5.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 023-12191-00036	Issuance Date: September 27, 2000
First Notice Only Change: 023-13794-00036	Pages Affected: 3, 13
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date:

## SECTION A

## SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationary dry grout and cement mixing operation and board plant manufacturing operation.

Authorized Individual: Glen Cooke, Jr.  
Source Address: 3800 West State Road 28, Frankfort, Indiana 46041  
Mailing Address: 3800 West State Road 28, Frankfort, Indiana 46041  
Phone Number: 765-656-0234  
SIC Code: 2899 and 2891  
County Location: Clinton  
County Status: Attainment for all criteria pollutants  
Source Status: Minor Source Operating Permit  
Minor Source, under PSD rules

### A.2 Emissions units and Pollution Control Equipment Summary

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This stationary source is approved to construct and operate the following emissions units and pollution control devices:

- (a) One dry mix operation, identified as EU1, with a maximum capacity of mixing 120,000 pounds per hour, using ten (10) bin vents and one (1) dust collector for particulate matter (PM) control, and exhausting to stacks BV-1 through BV-10, and MT-1, respectively.
- (b) One board plant operation, identified as EU2, with a maximum capacity of 40,000 pounds per hour, using two (2) baghouses for particulate matter (PM) control, and exhausting to stacks BP-1 and BP-2.
- (c) Three (3) natural gas-fired space heaters, identified as H-1, H-2 and H-3, each with a heat input capacity of 1.6 million Btu per hour (MMBtu), and exhausting to stacks H-1, H-2 and H-3;
- (d) One (1) natural gas-fired boiler, identified as B-1, with a heat input capacity of 0.9 million Btu per hour (MMBtu), and exhausting to stack B-1.
- (e) **Three (3) natural gas-fired curing rack furnaces, with a combined maximum capacity of 0.30 MMBtu/hr.**

## SECTION D.1

## EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

- (a) One dry mix operation, identified as EU1, with a maximum capacity of mixing 120,000 pounds of cement per hour, using ten (10) bin vents and one (1) dust collector for particulate matter (PM) control, and exhausting to stacks BV-1 through BV-10, and MT-1, respectively.
- (b) One board plant operation, identified as EU2, with a maximum capacity of 40,000 pounds per hour, using two (2) baghouses for particulate matter (PM) control, and exhausting to stacks BP-1 and BP-2.
- (c) **Three (3) natural gas-fired curing rack furnaces, with a combined maximum capacity of 0.30 MMBtu/hr.**

### Emission Limitations and Standards

#### D.1.1 Particulate Matter (PM) [326 IAC 6-3-2(c)]

- (a) The PM from the dry mix operation and board plant operation shall not exceed the pound per hour emission rate established as E in the following formulas:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where} \quad \begin{array}{l} E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour} \end{array}$$

and

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where} \quad \begin{array}{l} E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour} \end{array}$$